

Impact of the COVID-19 pandemic on healthcare utilisation and hospital finances in selected private sector hospitals in India: an interrupted time-series study

Supplementary Files

Supplementary Table 1

Heat map of variables and their significant coefficients for all-centre analysis. Red indicates reduction and green is an increase.

	ALL CENTRES	Baseline	Wave 1		Wave 2	
No of centres	Parameter	Trend	level	Trend	level	Trend
14	Outpatient					
12	Inpatient					
10	Emergency					
4	Surgery					
7	Caesarean					
6	Normal deliveries					
6	Total Deliveries					
6	immunization					
5	ICU admissions					
6	Mortality					
2	hosp Length of stay LOS					
4	ICU LOS					
9	Income					
4	Income from insurance					
6	Expenditure					
10	Concessions					
9	Pharmacy income					

Supplementary Table 2 - Covid-19 case admissions (percentage of inpatient)

Variable	Lock down % (95% CI)	Wave 2 % (95% CI)	P value
----------	-------------------------	----------------------	---------

A2			
COV	20.00 (4.77, 35.78)	28.79 (-2.09, 59.68)	0.7161
COV W	8.04 (1.17, 14.90)	12.60 (-1.98, 27.19)	0.7876
COV ICU	5.28 (1.57, 8.99)	7.62 (1.24, 14.01)	0.8647
COV D	38.88 (25.72, 52.05)	113.75 (38.78, 188.71)	0.0495
A3			
COV	8.99 (5.24, 18.39)	18.02 (-3.04, 39.09)	0.6043
COV W	8.51 (2.52, 14.50)	16.46 (-3.44, 36.38)	0.6374
COV ICU	0.47 (0.26, 0.71)	1.55 (0.87, 3.02)	0.8233
COV D	62.12 (8.31, 115.92)	53.95 (-23.39, 131.29)	0.7769
A1			
COV	6.02 (3.39, 8.66)	11.02 (0.16, 21.87)	0.7267
COV W	4.76 (2.63, 6.89)	5.73 (-5.76, 17.24)	0.9344
COV ICU	0.66 (0.25, 0.98)	0.52 (-0.48, 1.53)	0.9727
A4			
COV	13.98 (3.61, 24.35)	30.64 (0.71, 60.58)	0.4545
COV W	1.60 (0.17, 3.02)	2.99 (-1.27, 6.11)	0.8618
COV ICU	1.45 (-0.18, 3.10)	3.62 (0.59, 7.19)	0.7924
COV D	24.49 (-4.21, 53.21)	28.51 (-8.91, 65.94)	0.8873

Supplementary Table 3 - Percentage change between the Pre-Covid and Covid periods for pooled data of all centres and by Covid and non-Covid centres

Variable	All centres (14) % Change (95% CI)	COVID center (7) % Change (95% CI)	Non COVID center (7) % Change (95% CI)
OP	-24.4 (-31.1, -17.7)	-18.41 (-24.83, -11.99)	-27.75 (-35.36, -20.14)
IP	-13.2 (-20.2, -0.06)	23.87 (12.74, 35.00)	-44.67 (-53.04, -36.31)
ED	-0.87 (-7.40, -5.73)	14.50 (4.90, 24.10)	-28.43 (-33.13, -23.74)
SG	-28.5 (-39.19, -17.85)		
LS	-4.51 (-13.42, -4.39)		
NVD	-21.06 (-32.20, -9.92)		
DEL	-12.26 (-19.48, -5.04)		
IM	-31.41 (-41.37, -21.44)		
MOR	76.71 (38.00, 115.41)		
ICU	58.97 (40.36, 77.59)		
HLOS	18.61 (11.53, 25.69)		
ILOS	12.63 (0.50, 25.12)		
Finance			
INC	6.97 (3.25, 17.20)	14.51 (4.24, 24.79)	-3.06 (-15.80, -2.99)
INC_INC	18.37 (0.33, 36.41)		
EXP	10.23 (3.90, 24.38)	14.72 (1.11, 30.55)	3.78 (1.09, 18.66)
CON	21.67 (0.31, 43.02)	41.16 (25.22, 57.10)	-4.09 (-45.44, -3.72)
PHARM	9.09 (5.15, 23.17)		

